

## SET NO. 1, 66 CORE SAMPLES OF BLACK SHALE FROM THE TRADEWATER AND CARBONDALE FORMATIONS, WESTERN KENTUCKY COAL FIELD

[All analyses (except organic carbon) by the six-step spectrographic method, A. L. Sutton, Jr., analyst. Results are reported in percent to the nearest number in the series 1, 0.7, 0.5, 0.3, 0.2, 0.15, and 0.1, etc., which represent approximate midpoints of group data on a geometric scale. The assigned group will include the quantitative value about 30 percent of the time. Symbols used are as follows: G, greater than value indicated; N, not detected, or less than the limit of detection. Organic carbon analyses by I. C. Frost, calculated by difference between total carbon and mineral carbon]

65-166

SAMPLE NUMBER	NA	K	TI	Mn	ELEMENT	AG	LA	AO	SR	V	Y
D114-19	1.00000	3.00000	•20000	•03-00	•000200	•00300	•0000500	•010000	•010000	•000000	
D114-20	1.00000	3.00000	•20000	•000000	•00000N	•00300	•0000500	•010000	•007000	•000000	
D114-21	1.00000	3.00000	•20000	•030000	•00000N	•00300	•0000500	•010000	•007000	•000000	
D114-22	1.00000	3.00000	•20000	•030000	•00000N	•00300	•0000500	•010000	•007000	•000000	
D114-23	•70000	3.00000	•20000	•015000	•00000N	•00500	•0000500	•010000	•010000	•000000	
D114-24	1.00000	3.00000	•20000	•10000	•00000N	•00300	•0000500	•010000	•020000	•000000	
D114-25	1.00000	3.00000	•20000	•15000	•00000N	•00500	•0000500	•010000	•010000	•000000	
D114-26	1.00000	3.00000	•20000	•15000	•00000N	•00500	•0000500	•010000	•020000	•000000	
D114-27	1.00000	3.00000	•20000	•15000	•00000N	•00500	•0000500	•010000	•020000	•000000	
D114-28	1.00000	3.00000	•20000	•15000	•00000N	•00500	•0000500	•010000	•020000	•000000	
D114-29	1.00000	3.00000	•20000	•15000	•00000N	•00500	•0000500	•010000	•020000	•000000	
D114-30	1.00000	3.00000	•20000	•15000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-31	1.00000	3.00000	•20000	•20000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-32	1.00000	3.00000	•20000	•15000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-33	1.00000	3.00000	•20000	•020000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-34	1.00000	3.00000	•20000	•01500	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-35	1.00000	3.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-36	1.00000	3.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-37	1.00000	2.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-38	1.00000	2.00000	•20000	•02000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-39	1.00000	2.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-40	1.00000	2.00000	•20000	•01000	•00000N	•00500	•0000500	•020000	•020000	•000000	
-D114-41	1.00000	2.00000	•20000	•15000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-42	1.00000	2.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-43	1.00000	2.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-44	1.00000	2.00000	•20000	•020000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-45	1.00000	2.00000	•20000	•020000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-46	1.00000	3.00000	•15000	•01500	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-47	1.00000	3.00000	•15000	•05000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-48	1.00000	3.00000	•20000	•15000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-49	1.00000	3.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-50	1.00000	3.00000	•20000	•02000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-51	1.00000	3.00000	•20000	•030000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-52	1.00000	3.00000	•20000	•070000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-53	1.00000	3.00000	•30000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-54	1.00000	1.50000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-55	1.00000	2.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-56	1.00000	3.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-57	1.00000	3.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-58	•70000	2.00000	•20000	•150000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-59	•70000	2.00000	•150000	•150000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-60	1.00000	3.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-61	•70000	2.00000	•150000	•150000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-62	1.00000	3.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-63	1.00000	5.00000	•20000	•015000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-64	1.00000	5.00000	•20000	•030000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-65	•70000	3.00000	•150000	•030000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-66	1.00000	3.00000	•150000	•020000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-67	•70000	2.00000	•20000	•020000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-68	1.00000	3.00000	•20000	•02000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114-69	•70000	3.00000	•20000	•05000	•00000N	•00500	•0000500	•020000	•020000	•000000	
D114											